CRF Errors Edited by the STIC Systems Branch

Serial Number: __/0/014,658 A__   CRF Edit Date: __8/16/04__
                                         Edited by: __AL__

_____ ENTERED nucleic acid/amino acid numbers/text in cases where the sequence text wrapped to the next line.

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__✓__ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____

_____ Moved responses to same line as heading/numeric identifier, specifically:

_____

_____ Other:

_____
_____
_____

Revised 09/09/2003

IFW16

RAW SEQUENCE LISTING   DATE: 08/16/2004
PATENT APPLICATION: **US/10/014,658A**   TIME: 10:12:18

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08162004\J014658A.raw**

```
 5 <110> APPLICANT: Bock, Susan C.
 6        Picard, Veronique
 7        Zendehrouh, Pedram
 9 <120> TITLE OF INVENTION: Human Antithrombin IIIs and Methods Related Thereto
12 <130> FILE REFERENCE: 21101.0004U3
14 <140> CURRENT APPLICATION NUMBER: 10/014,658A
15 <141> CURRENT FILING DATE: 2001-12-11
17 <150> PRIOR APPLICATION NUMBER: 09/305,588
18 <151> PRIOR FILING DATE: 1999-05-05
21 <150> PRIOR APPLICATION NUMBER: 60/085,197
22 <151> PRIOR FILING DATE: 1998-05-12
25 <160> NUMBER OF SEQ ID NOS: 35
28 <170> SOFTWARE: PatentIn Ver. 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 9
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
38 <400> SEQUENCE: 1
40 Ser Thr Ala Leu Glu Ala Ile Gly Arg
41   1             5
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 9
46 <212> TYPE: PRT
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 2
50 Ser Thr Glu Val Glu Ala Ala Gly Arg
51 1             5
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 9
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
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W--> `60 <400> SEQUENCE: 3`
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62 Ser Thr Ala Val Glu Ala Ala Gly Arg
63   1             5
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 9
68 <212> TYPE: PRT
69 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 4
73 Ser Thr Glu Gly Phe Phe Ser Gly Arg
74   1             5
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 9
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RAW SEQUENCE LISTING   DATE: 08/16/2004
PATENT APPLICATION: **US/10/014,658A**   TIME: 10:12:18

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08162004\J014658A.raw**

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 79 <212> TYPE: PRT
 80 <213> ORGANISM: Homo sapiens
 82 <400> SEQUENCE: 5
 83 Ser Thr Glu Gly Glu Ala Ser Gly Arg
 84   1               5
 87 <210> SEQ ID NO: 6
 88 <211> LENGTH: 9
 89 <212> TYPE: PRT
 90 <213> ORGANISM: Homo sapiens
 92 <400> SEQUENCE: 6
 93 Ser Thr Glu Gly Glu Gly Ser Gly Arg
 94   1               5
 97 <210> SEQ ID NO: 7
 98 <211> LENGTH: 9
 99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 7
104 Ser Glu Glu Gly Glu Ala Ser Gly Arg
105   1               5
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 9
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 8
115 Ser Glu Glu Gly Glu Gly Ser Gly Arg
116   1               5
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 9
125 Ser Thr Ala Val Glu Gly Ala Gly Arg
126   1               5
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 9
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 10
135 Ser Thr Glu Val Glu Gly Ala Gly Arg
136 1                 5
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 9
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 11
145 Ser Thr Glu Leu Glu Gly Ala Gly Arg
146   1               5
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 9
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RAW SEQUENCE LISTING   DATE: 08/16/2004
PATENT APPLICATION: US/10/014,658A   TIME: 10:12:18

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08162004\J014658A.raw**

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153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 12
156 Ser Thr Ala Leu Glu Gly Ala Gly Arg
157 1               5
160 <210> SEQ ID NO: 13
161 <211> LENGTH: 9
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 13
166 Ser Thr Ala Glu Gly Gly Gly Gly Arg
167 1               5
170 <210> SEQ ID NO: 14
171 <211> LENGTH: 9
172 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 14
176 Ser Thr Gln Thr Pro Pro Asn Gly Arg
177 1               5
180 <210> SEQ ID NO: 15
181 <211> LENGTH: 9
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 15
186 Ser Thr Ala Val Phe Phe Ala Gly Arg
187 1               5
190 <210> SEQ ID NO: 16
191 <211> LENGTH: 1525
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 16
196 gatcacacta tctccacttg cccagccctg tggaagatta gcggccatgt attccaatgt 60
197 gataggaact gtaacctctg gaaaaaggaa ggtttatctt ttgtccttgc tgctcattgg 120
199 cttctgggac tgcgtgacct gtcacgggag ccctgtggac atctgcacag ccaagccgcg 180
200 ggacattccc atgaatccca tgtgcattta ccgctccccg gagaagaagg caactgagga 240
201 tgagggctca gaacagaaga tcccggaggc caccaaccgg cgtgtctggg aactgtccaa 300
202 ggccaattcc cgctttgcta ccactttcta tcagcacctg gcagattcca agaatgacaa 360
203 tgataacatt ttcctgtcac ccctgagtat ctccacggct tttgctatga ccaagctggg 420
204 tgcctgtaat gacaccctcc agcaactgat ggaggtattt aagtttgaca ccatatctga 480
205 gaaaacatct gatcagatcc acttcttctt tgccaaactg aactgccgac tctatcgaaa 540
206 agccaacaaa tcctccaagt tagtatcagc caatcgcctt tttggagaca aatcccttac 600
207 cttcaatgag acctaccagg acatcagtga gttggtatat ggagccaagc tccagcccct 660
208 ggacttcaag gaaaatgcag agcaatccag agcggccatc aacaaatggg tgtccaataa 720
209 gaccgaaggc cgaatcaccg atgtcattcc ctcggaagcc atcaatgagc tcactgttct 780
210 ggtgctggtt aacaccattt acttcaaggg cctgtggaag tcaaagttca gccctgagaa 840
211 cacaaggaag gaactgttct acaaggctga tggagagtcg tgttcagcat ctatgatgta 900
212 ccaggaaggc aagttccgtt atcggcgcgt ggctgaaggc acccaggtgc ttgagttgcc 960
213 cttcaaaggt gatgacatca ccatggtcct catcttgccc aagcctgaga agagcctggc 1020
214 caaggtggag aaggaactca ccccagaggt gctgcaggag tggctggatg aattggagga 1080
```

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08162004\J014658A.raw**

```
215 gatgatgctg gtggttcaca tgccccgctt ccgcattgag gacggcttca gtttgaagga 1140
216 gcagctgcaa gacatgggcc ttgtcgatct gttcagccct gaaaagtcca aactcccagg 1200
217 tattgttgca gaaggccgag atgacctcta tgtctcagat gcattccata aggcatttct 1260
218 tgaggtaaat gaagaaggca gtgaagcagc tgcaagtacc gctgttgtga ttgctggccg 1320
219 ttcgctaaac cccaacaggg tgactttcaa ggccaacagg cccttcctgg tttttataag 1380
220 agaagttcct ctgaacacta ttatcttcat gggcagagta gccaaccctt gtgttaagta 1440
221 aaatgttctt attctttgca cctcttccta tttttggttt gtgaacagaa gtaaaaataa 1500
222 atacaaacta cttccatctc acatt                                        1525
226 <210> SEQ ID NO: 17
227 <211> LENGTH: 36
228 <212> TYPE: DNA
229 <213> ORGANISM: Homo sapiens
231 <400> SEQUENCE: 17
232 accgcggaag gaggaggcgg ccgttcgcta aacccc                            36
235 <210> SEQ ID NO: 18
236 <211> LENGTH: 29
237 <212> TYPE: DNA
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 18
241 accgctgttt tcttcgccgg ccgttcgct                                    29
243 <210> SEQ ID NO: 19
244 <211> LENGTH: 48
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 19
251 accgaaggtt tcttctctgg ccgttcttta aaccccaaca gggtgact               48
255 <210> SEQ ID NO: 20
256 <211> LENGTH: 48
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 20
261 acccaaactt tcttcaacgg ccgaagctta aaccccaaca gggtgact               48
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 34
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 21
270 ctgcaagtac tgaaggtgaa gcttctggcc gttc                              34
273 <210> SEQ ID NO: 22
274 <211> LENGTH: 34
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 22
280 ctgcaagtac tgaaggtgaa ggttctggcc gttc                              34
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 40
286 <212> TYPE: DNA
287 <213> ORGANISM: Homo sapiens
289 <400> SEQUENCE: 23
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RAW SEQUENCE LISTING   DATE: 08/16/2004
PATENT APPLICATION: US/10/014,658A   TIME: 10:12:18

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08162004\J014658A.raw

```
290 aagcagctgc tagcgaagaa ggtgaagctt ctggccgttc                   40
294 <210> SEQ ID NO: 24
295 <211> LENGTH: 40
296 <212> TYPE: DNA
297 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 24
301 aagcagctgc tagcgaagaa ggtgaaggtt ctggccgttc                   40
304 <210> SEQ ID NO: 25
305 <211> LENGTH: 32
306 <212> TYPE: DNA
307 <213> ORGANISM: Homo sapiens
309 <400> SEQUENCE: 25
310 ctgcaagtac tgctgttgaa ggtgctggcc gt                           32
313 <210> SEQ ID NO: 26
314 <211> LENGTH: 32
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 26
319 ctgcaagtac tgaggttgaa ggtgctggcc gt                           32
322 <210> SEQ ID NO: 27
323 <211> LENGTH: 32
324 <212> TYPE: DNA
325 <213> ORGANISM: Homo sapiens
327 <400> SEQUENCE: 27
328 ctgcaagtac tgagcttgaa ggtgctggcc gt                           32
331 <210> SEQ ID NO: 28
332 <211> LENGTH: 32
333 <212> TYPE: DNA
334 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 28
338 ctgcaagtac tgctcttgaa ggtgctggcc gt                           32
341 <210> SEQ ID NO: 29
342 <211> LENGTH: 32
343 <212> TYPE: DNA
344 <213> ORGANISM: Homo sapiens
346 <400> SEQUENCE: 29
348 ctgcaagtac tgctgttgag gctgctggcc gt                           32
352 <210> SEQ ID NO: 30
353 <211> LENGTH: 32
354 <212> TYPE: DNA
355 <213> ORGANISM: Homo sapiens
357 <400> SEQUENCE: 30
358 ctgcaagtac tgaggttgag gctgctggcc gt                           32
361 <210> SEQ ID NO: 31
362 <211> LENGTH: 18
363 <212> TYPE: DNA
364 <213> ORGANISM: Homo sapiens
366 <400> SEQUENCE: 31
367 tattgttgca gaaggccg                                          18
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/16/2004
PATENT APPLICATION: **US/10/014,658A**   TIME: 10:12:19

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08162004\J014658A.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,7,41

VERIFICATION SUMMARY   DATE: 08/16/2004
PATENT APPLICATION: **US/10/014,658A**   TIME: 10:12:19

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08162004\J014658A.raw**

L:60 M:283 W: Missing Blank Line separator, <400> field identifier

IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,658A

DATE: 08/13/2004
TIME: 15:49:51

Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\08132004\J014658A.raw**

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 5 <110> APPLICANT: Bock, Susan C.
 6         Picard, Veronique
 7         Zendehrouh, Pedram
 9 <120> TITLE OF INVENTION: Human Antithrombin IIIs and Methods Related Thereto
12 <130> FILE REFERENCE: 21101.0004U3
14 <140> CURRENT APPLICATION NUMBER: 10/014,658A
15 <141> CURRENT FILING DATE: 2001-12-11
17 <150> PRIOR APPLICATION NUMBER: 09/305,588
18 <151> PRIOR FILING DATE: 1999-05-05
21 <150> PRIOR APPLICATION NUMBER: 60/085,197
22 <151> PRIOR FILING DATE: 1998-05-12
25 <160> NUMBER OF SEQ ID NOS: 35
28 <170> SOFTWARE: PatentIn Ver. 4.0
```

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

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44 <210> SEQ ID NO: 2
45 <211> LENGTH: 9
46 <212> TYPE: PRT
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 2
50 Ser Thr Glu Val Glu Ala Ala Gly Arg                                    1
```
E--> 51 5

insert a hard return

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: US/10/014,658A   TIME: 15:49:52

Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\08132004\J014658A.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,7,41
Seq#:2; Line(s) 50

VERIFICATION SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: **US/10/014,658A**   TIME: 15:49:52

Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\08132004\J014658A.raw**

L:51 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2
L:51 M:301 E: (44) No Sequence Data was Shown, SEQ ID:2
L:51 M:252 E: No. of Seq. differs, <211> LENGTH:Input:9 Found:0 SEQ:2
L:59 M:283 W: Missing Blank Line separator, <400> field identifier